ABSTRACT OF THE DISCLOSURE

A temperature T of the heating roller 2 is detected by a thermistor 10 and an amount of variation ($\Delta T/\Delta t$) per unit time t of the detected temperature T is detected. The output of a coil 4 is increased or decreased by an amount corresponding to an amount of detected temperature variation ($\Delta T/\Delta t$), while the temperature T detected by the thermistor 10 is kept within an initially set range "$Tb \geqq T > Tc$".